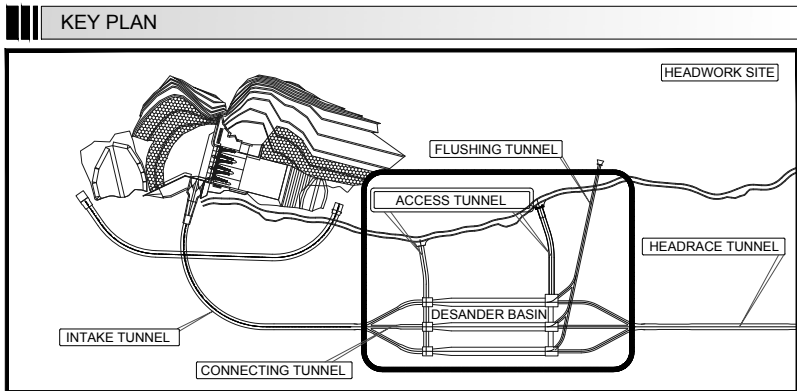


PLAN LAYOUT OF DESANDER BASIN

1:400



Coordinate of control points

No.	X(N) (m)	Y(E) (m)	Remark
W4	3112549.600	627360.090	Center of DESANDER BASIN
W5	3112340.410	627080.355	

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete

Scale:

1:400 0 4 8 12 16 20m

REFERENCE DRAWINGS

- UT1-C-030-CVL-DG-51002 Excavation and support drawing of access tunnel for D/S gate operating house of desander basin.
- UT1-C-030-CVL-DG-53002 Excavation and support drawing of flushing tunnel.

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL. IT CAN BE CHANGED IN THE EXECUTION STAGE. THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

QA	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.
REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER



OWNER'S ENGINEER



CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-01	1 OF 7	OA

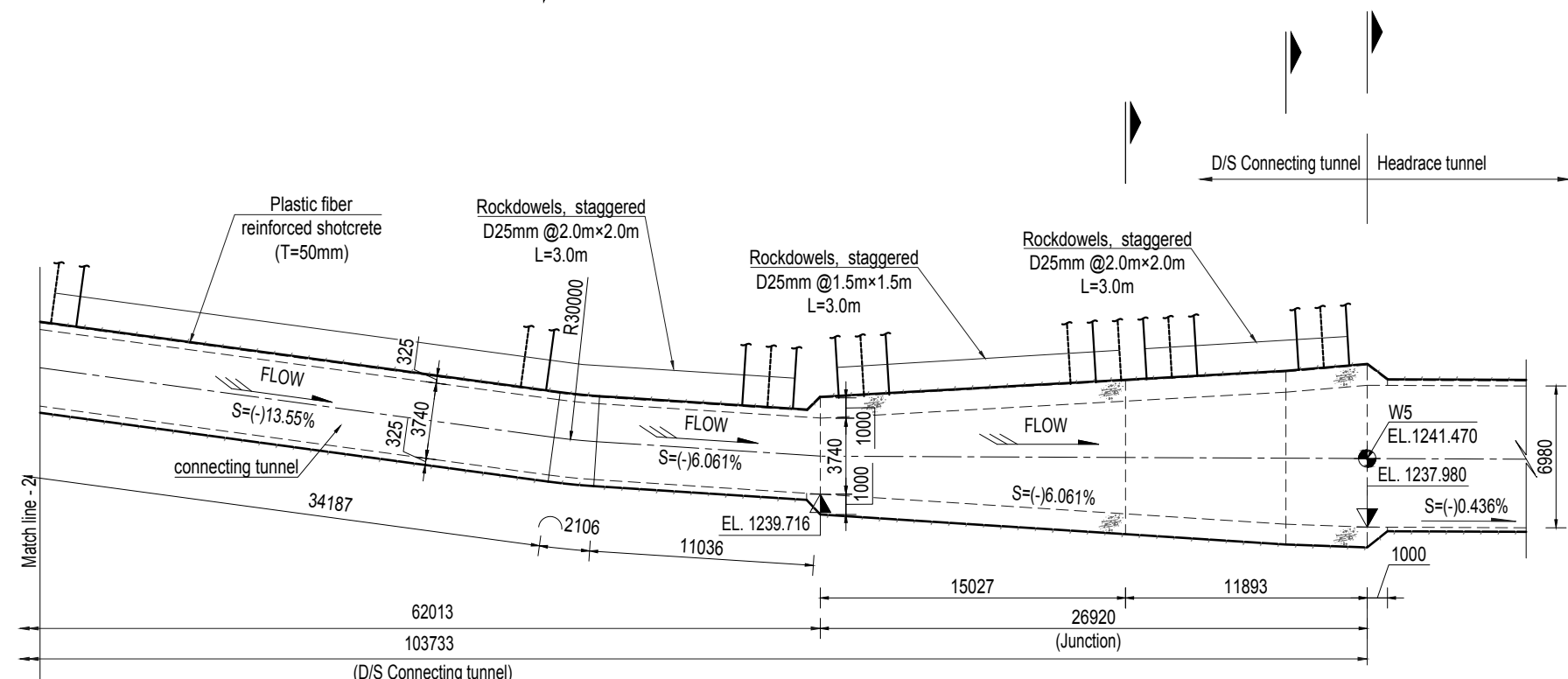
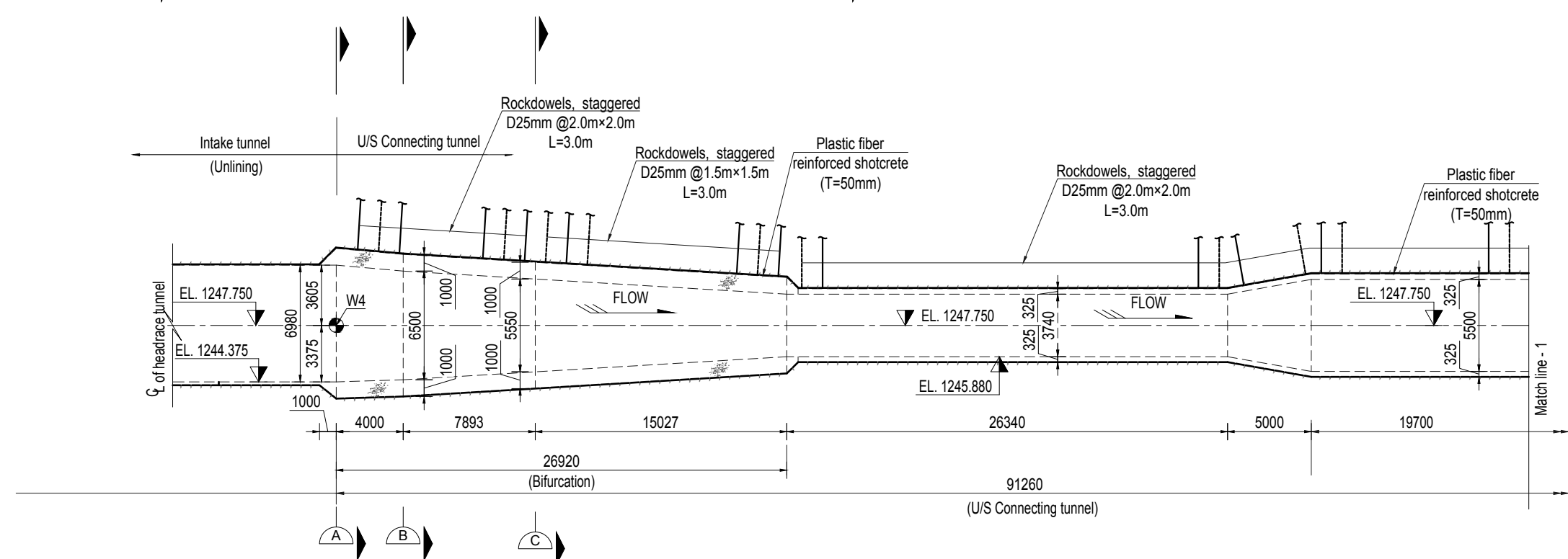
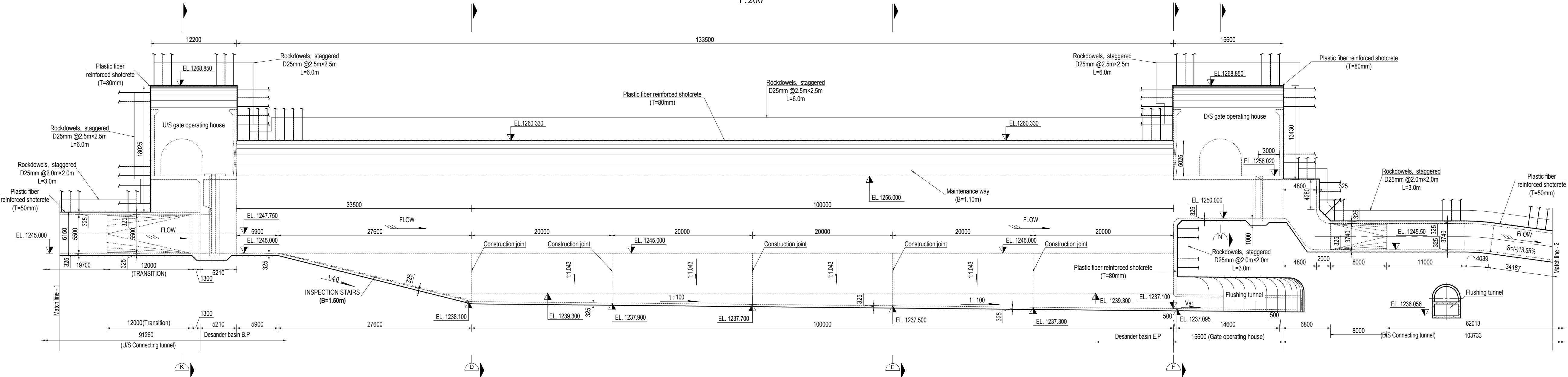
(1/7)

1



GENERAL PROFILE OF DESANDER BASIN-2

1:200



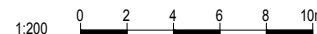
NOTE

- This set of drawings is excavation and support drawing of desander basin.
- All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
- Refer to sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete

Scale:



REFERENCE DRAWINGS

- UT1-C-030-CVL-DG-51002 Excavation and support drawing of access tunnel for D/S gate operating house of desander basin.
- UT1-C-030-CVL-DG-53002 Excavation and support drawing of flushing tunnel.

SYMBOL AND LEGEND

FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL. IT CAN BE CHANGED IN THE EXECUTION STAGE. THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER



OWNER'S ENGINEER



CONTRACTOR

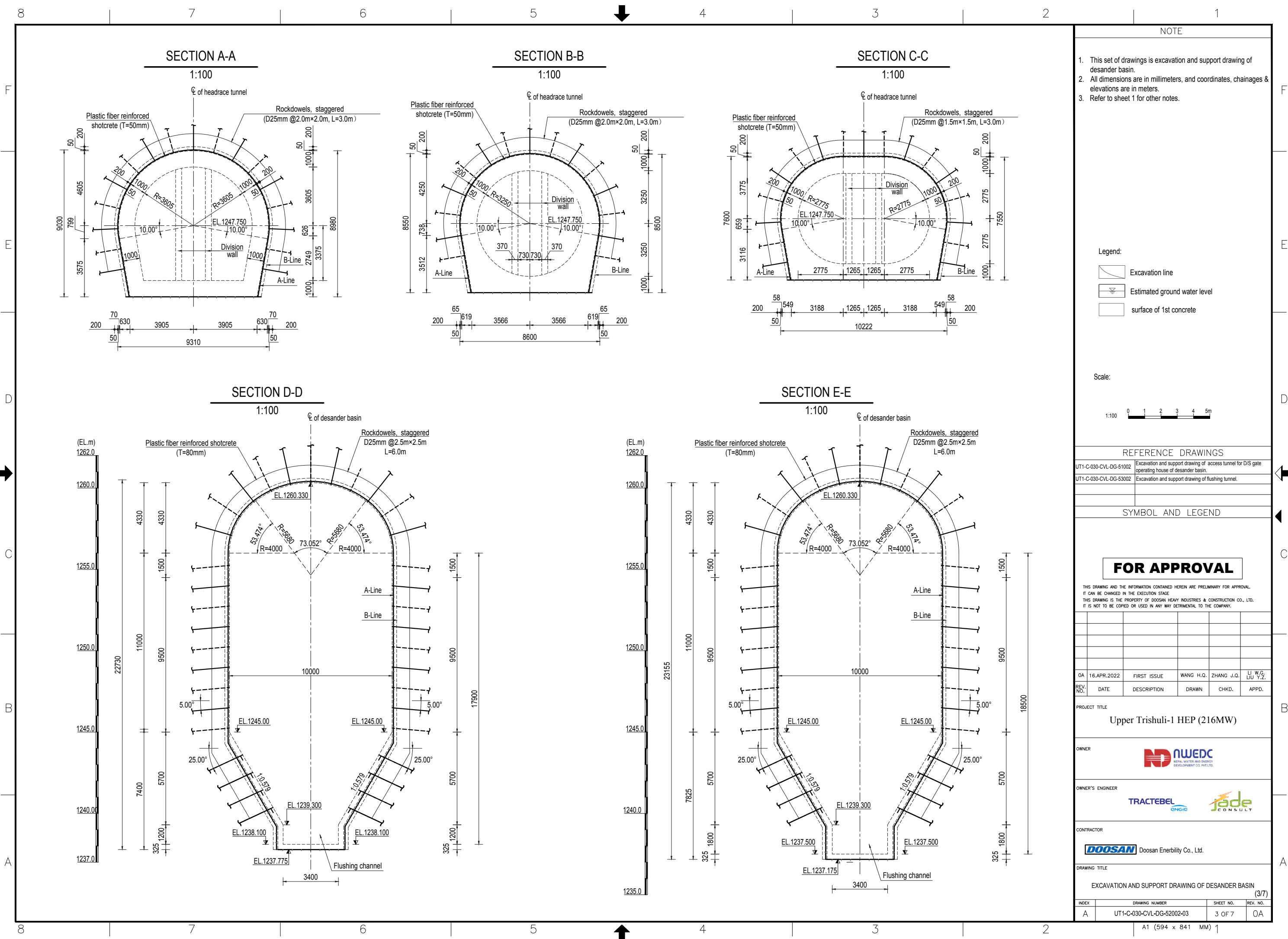
DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-02	2 OF 7	0A

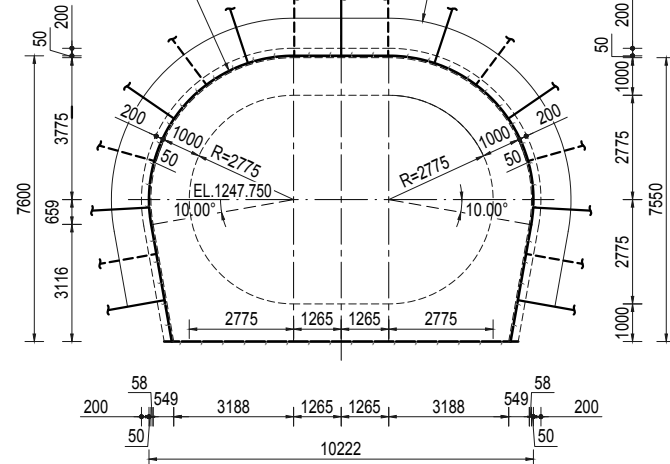
A1 (594 x 841 MM) 1



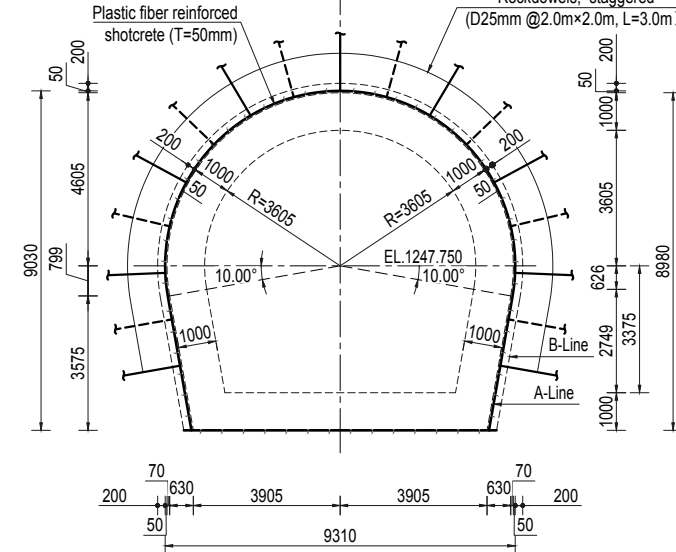
1:100



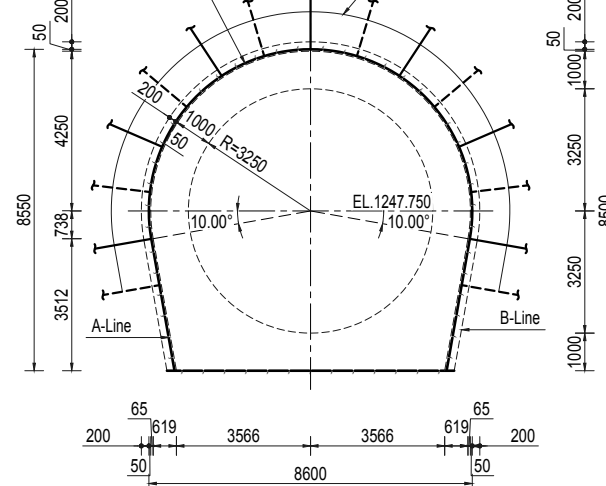
## 1:100



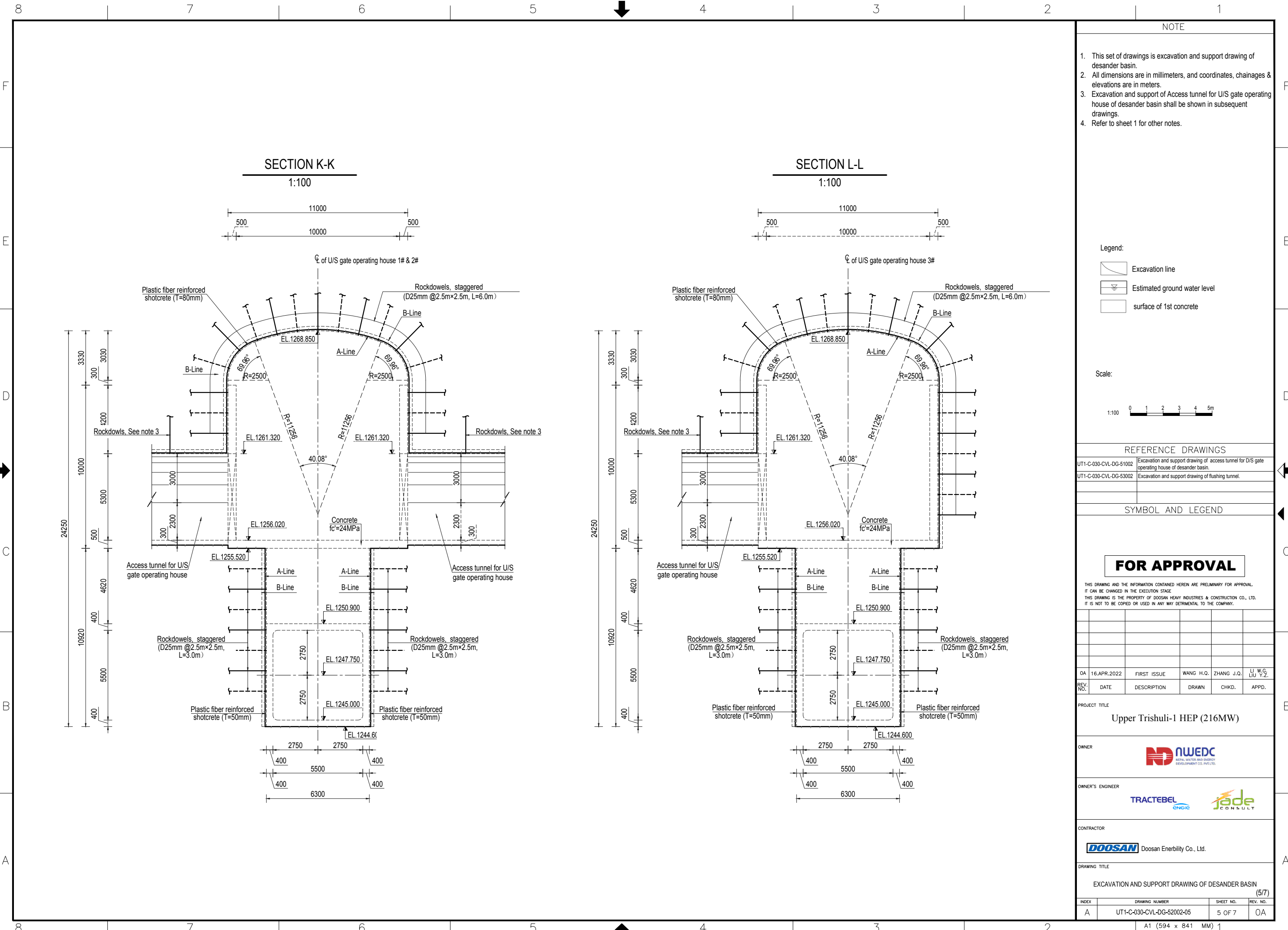
1:100



## 1:100



A1 (594 x 841 MM)	1
-------------------	---



NOTE

- This set of drawings is excavation and support drawing of desander basin.
- All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
- Excavation and support of Access tunnel for U/S gate operating house of desander basin shall be shown in subsequent drawings.
- Refer to sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

UT1-C-030-CVL-DG-51002	Excavation and support drawing of access tunnel for D/S gate operating house of desander basin.
UT1-C-030-CVL-DG-53002	Excavation and support drawing of flushing tunnel.

SYMBOL AND LEGEND

**FOR APPROVAL**

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL. IT CAN BE CHANGED IN THE EXECUTION STAGE. THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

OA	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.
REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

**NWEDC**  
NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

**TRACTEBEL**  
ENGIE

**jade**  
CONSULT

CONTRACTOR

**DOOSAN** Doosan Enerbility Co., Ltd.

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (5/7)

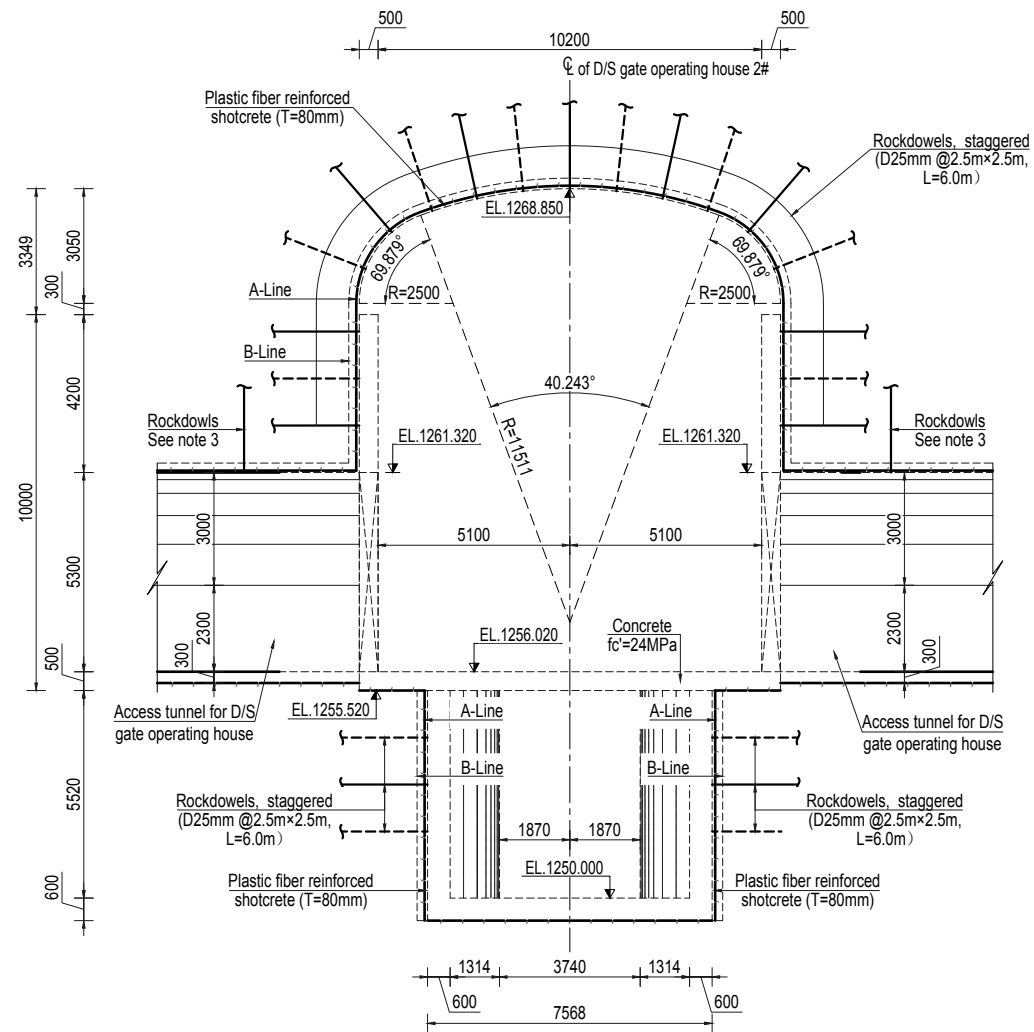
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-05	5 OF 7	0A

A1 (594 x 841 MM) 1



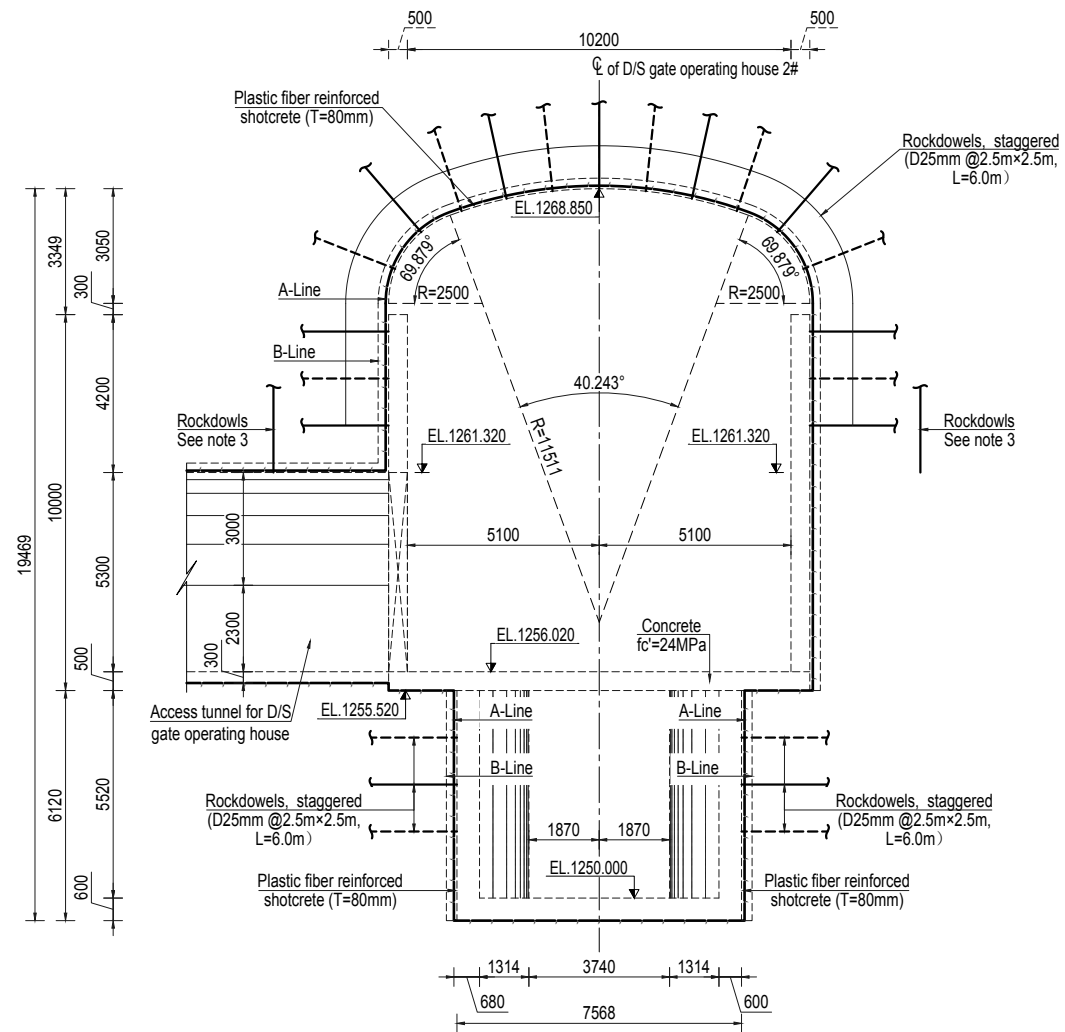
## SECTION M-M

1:100



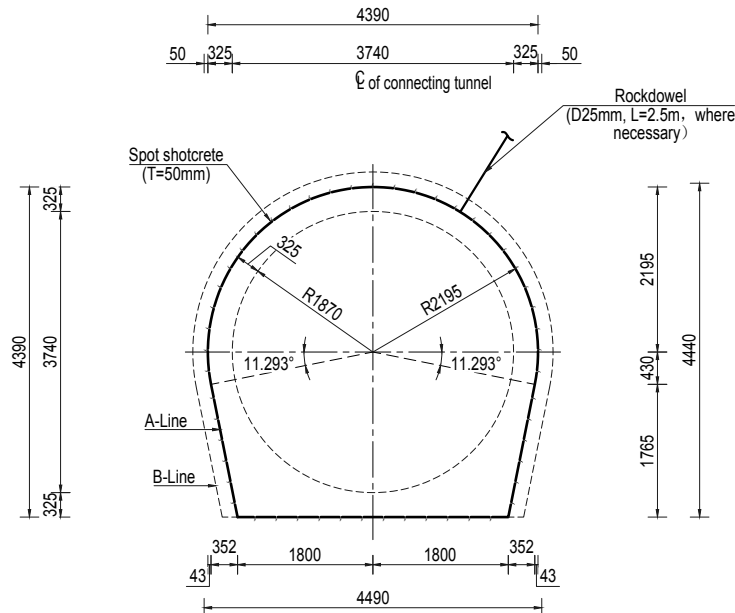
## SECTION P-P

1:100



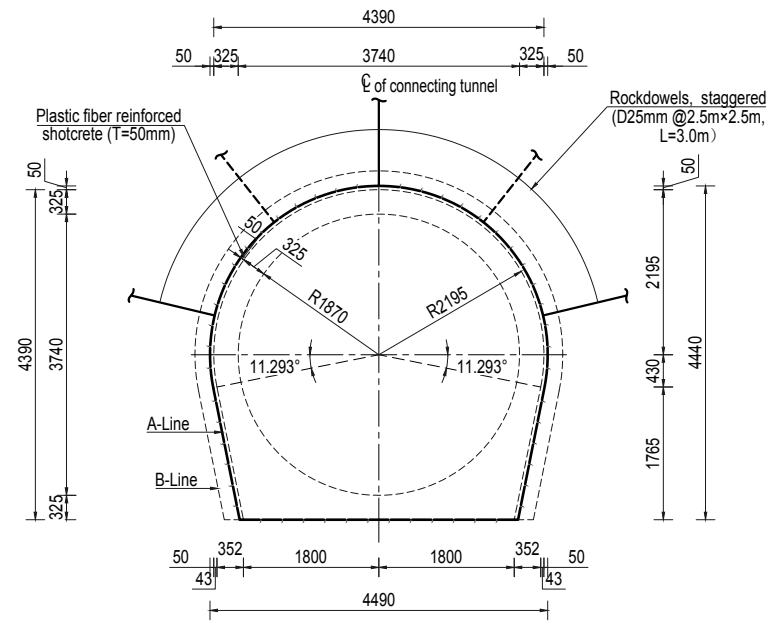
## CONNECTING TUNNEL TYPICAL SECTION 1 FOR CLASS I

1:50



## CONNECTING TUNNEL TYPICAL SECTION 1 FOR CLASS II

1:50



## NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support of Access tunnel for D/S gate operating house of desander basin.
4. Refer to sheet 1 for other notes.

## Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete

## Scale:



## REFERENCE DRAWINGS

- |                        |   |
|------------------------|---|
| UT1-C-030-CVL-DG-51002 | Excavation and support drawing of access tunnel for D/S gate operating house of desander basin. |
| UT1-C-030-CVL-DG-53002 | Excavation and support drawing of flushing tunnel.  |

## SYMBOL AND LEGEND

## FOR APPROVAL

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL. IT CAN BE CHANGED IN THE EXECUTION STAGE. THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD. IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.

REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G.

PROJECT TITLE  
Upper Trishuli-1 HEP (216MW)

OWNER  
**NWEDC**  
NIPAL WATER AND ENERGY DEVELOPMENT CO. (PVT) LTD.

OWNER'S ENGINEER  
**TRACTEBEL**  
ENGIC

CONTRACTOR  
**DOOSAN** Doosan Enerbility Co., Ltd.

DRAWING TITLE  
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN  
(6/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-06	6 OF 7	0A

A1 (594 x 841 MM) 1

